Configuration

Safety	Steering deceleration	●
	Rear handle with horn for truck reversing	●
	Overspeed alarm (5km/h)	○
	Overspeed alarm(8km/h)	○
	Overspeed alarm (10km/h)	○
	Speed limit ((no ultimate limit type)	○
	Full set of OPS	●
	Safety switch for seat belt	○
	Hydraulic valve overload protection device	●
	Dry powder extinguisher (0.5kg)	○
	Dry powder extinguisher (2kg)	○
	Backward buzzer	○
	Reversing speaker (Chinese)	●
	Electronic upper buffering	●
	Wide- angle central rear view mirror	●
	Rearview mirror on two sides+ Center wide angle rearview mirror	○
Comfort	Semi-enclosure seat	●
	Full suspension seat	○
	1 USB interface (5V/1A)	●
	Super low torque steering unit	●
	Mechanical control valve	●
	Fan	○
Cab/Windshields	Panel mounted cab	○
	With heater and air conditioner for cooling	○
	Front windshield	○
	Rear windshield	○
	Top windshield	○
Lingts	LED rear working lamp	○
	Front LED red/blue spotlight	○
	Rear LED red/blue spotlight	○
	Left, right and rear blue bar	○
	Fixed type LED flicker warning lamp	●
	Fixed type LED rotating warning lamp	○
	Fixed type LED rotating buzzer warning lamp	○
Others	Sleeve for steering cylinder	●
	Sleeves for sterring cylinder and tilting cylinder	●
	Fork carriage (6-7t)	●
	Backrest (6-7t)	●
	Hydraulic fork Positioner (8.5-10t)	●
	HELI FICS system	○

Note: "●" standard; "○" optional;

ANHUI HELI CO., LTD.

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6.0-10.0 t

Lithium-ion Battery Forklift Truck

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CPD 60/70
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INNOVATIVE
INTEGRATION CONCEPT
LITHIUM LEADS THE FUTURE

HELI NEW PRODUCT · FULL OF POWER



INTEGRATED DRIVE SYSTEM

Powerful, safe and reliable

HIGH-EFFICIENCY LIQUID-COOLED PERMANENT MAGNET SYNCHRONOUS SYSTEM

High efficiency, low energy consumption, Satisfying heavy working conditions and High-intensity continuous operation

HIGH PROTECTION PARTS
HIGH CHASSIS
HIGH LOAD CAPACITY PNEUMATIC TIRES

Adapt to complex environment operations

SUPER FAST CHARGE

Effectively improve operation time, Adapt to new energy vehicle charging pile

PRODUCT CHARACTERISTICS

COMFORTABLE DRIVING, SAVE WORRY AND EFFORT

- Ergonomic forward design, More comfortable driving.
- Standard, imported, silent, hydraulic pump, Effectively improve the driving comfort.



- A new generation design of the hidden rubber hose pulley block of the mast, wide view ahead







SMART SECURITY COMPREHENSIVE PROTECTION

- High and low voltage independent power distribution, Safer Easier to maintain.
- Independent driving brake Safe and Reliable,Energy-saving and efficient.



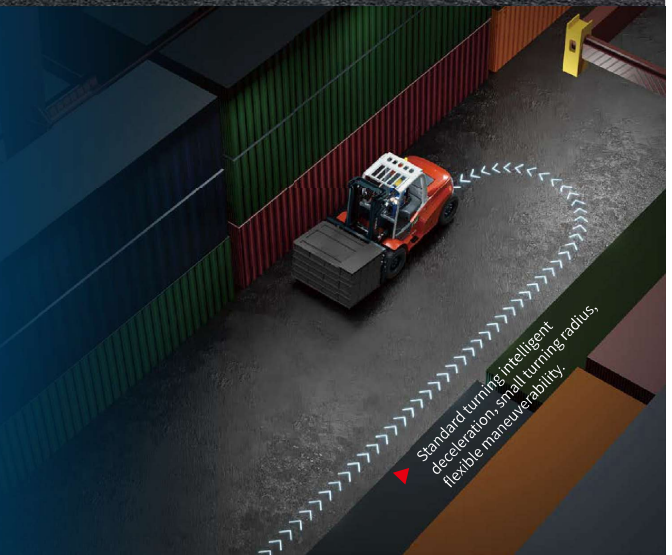
External service switch Easy to operate
Effectively prevent electrified misoperation



Dedicated high voltage orange cable meet the standards of new energy vehicles, multi-layer protection, wear-resistant, eye-catching



Standard mast up and down buffer,
avoid extreme impact,intelligent safety



EFFICIENT OPERATION,
YIELD TWICE THE RESULT WITH HALF THE EFFORT

- Fast lifting speed, High loading and unloading efficiency.
- Optimize vehicle structure design, Higher carrying capacity. Easily cope with various heavy-duty job demands.

INDEPENDENT RESEARCH AND DEVELOPMENT, STABLE AND RELIABLE

- The whole machine frame, overhead guard, door frame mast, etc. have been analyzed and designed through CAE forward analysis, safe and reliable.
- Machine rain test,Bumpy road test,multiple rigorous tests,the protection level reaches IP67.
- The key core components and parts have been tested by high strength experiment.







EASY MAINTENANCE, RELAXED



Integrated electrical cabinet, embedded instrument, easy to disassemble and maintain



Integrated hydraulic cabinet, Easy maintenance of braking system



Open the hood at a wide angle. Detachable front and rear baseplate. Easy to check, replace and repair.

PERSONALIZED CUSTOMIZATION, RICH CONFIGURATION

The vehicle can be equipped

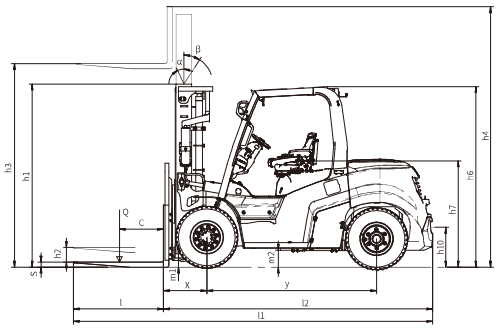
- Solid tire
- Lighting
- Reversing image
- Thumb switch
- Autonomous system



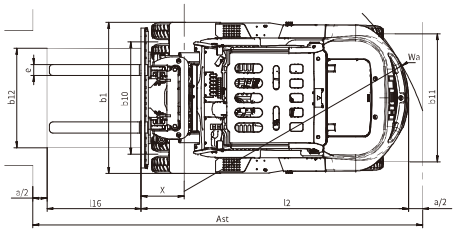
Dual power system, can meet different options

Manufacturer and Technical Data

	Manufacturer			CHL			
1.01	Model			CPD60	CPD70	CPD85	CPD100
1.02	Configuration number			A6LIG2-M	A6LIG2-M	A6LIG2-S	A6LIG2-S
1.03	Rated capacity	Q	kg	6000	7000	8500	10000
1.04	Load center distance	c	mm	600			
1.05	Power mode			Lithium battery			
1.06	Driving mode			Seated			
1.07	Front overhang	x	mm	580	585	687	702
1.08	Wheelbase	y	mm	2300		2500	2775
	Weight						
2.01	Total weight (with/without battery)		kg	8965/8335	9580/8950	11800/11065	12860/12125
2.02	Axle load (laden,front/rear)		kg	13390/1575	14770/1810	18300/2000	20750/2110
2.03	Axle load (unladen,front/rear)		kg	4310/4655	4165/5415	5400/6400	6055/6805
	Tyres						
3.01	Tyre type			Pneumatic tyre			
3.02	Tyre size,front			8.25-15-14PR		9.00-20-14PR	
3.03	Tyre size,rear			8.25-15-14PR		9.00-20-14PR	
3.04	Wheels,number front/rear (x=driven wheels)			4×/2			
3.05	Tread, front	b_{10}	mm	1520		1600	
3.06	Tread, rear	b_{11}	mm	1700			
	Dimensions						
4.01	Mast tilt angle (forward/backward)	α/β	°	6/12			
4.02	Height (mast lowered)	h_1	mm	2480		2700	2850
4.03	Free lifting height	h_2	mm	160	165	190	200
4.04	Lifting height (standard)	h_3	mm	3000			
4.05	Max. height,extended (with backrest)	h_4	mm	4400		4250	4415
4.06	Height of overhead guard	h_6	mm	2450		2560	
4.07	Seat height relating to SIP (to ground)	h_7	mm	1435		1540	
4.08	Towing coupling height	h_{10}	mm	535		600	
4.09	Overall length (with fork)	l_1	mm	4795	4865	5172	5422
4.10	Overall length (without fork)	l_2	mm	3575	3645	3952	4202
4.11	Overall width	b_1	mm	2045		2165	
4.12	Fork size:thickness x width x length	s/e/l	mm	60×150×1220	65×150×1220	70×175×1220	80×175×1220
4.13	Fork carriage,according to ISO2328			4A		-	
4.14	Distance across fork-arms, Max./Min.	b_5	mm	1845/300		1990/470	2100/470
4.15	Ground clearance (at mast)	m_1	mm	180		250	
4.16	Ground clearance (center of wheelbase)	m_2	mm	230		325	
4.17	Right angle stacking aisle width for pallet 1000 x1200mm crossways	A_{st}	mm	5060	5125	5517	5842
4.18	Right angle stacking aisle width for pallet 800 x1200mm lengthways	A_{st}	mm	5260	5325	5717	6042
4.19	Min. outside turning radius	W_a	mm	3280	3340	3630	3940
	Performance Data						
5.01	Travel speed (laden/unladen)		km/h	20/20	20/20	15/15	15/15
5.02	Lift speed (laden/unladen)		mm/s	320/460	320/460	300/430	260/360
5.03	Lowering speed (laden/unladen)		mm/s	Without load≥300/with full load≤600			
5.04	Max.drawbar pull (laden)		N	38000	38000	40000	40000
5.05	Max.gradeability (laden/unladen)		%	20/20	20/20	15/15	15/15
5.06	Acceleration time(10 m)(laden/unladen)		s	5.2/4.9	5.2/4.9	5.4/5	5.6/5.2
	Battery						
6.01	Battery voltage/Capacity		V/Ah	326.4/125	326.4/125	326.4/150	326.4/150
6.02	Battery weight		kg	620	620	740	740
	Motor and controller						
7.01	Driving motor powering (S2-60min)		kW	30			
7.02	Lifting motor powering (S3-15%)		kW	23x2			
7.03	Driving motor controlling mode			IGBT/AC			
7.04	Lifting motor controlling mode			IGBT/AC			
	Addition data						
8.01	Service brake/Parking brake			Hydraulic/mechanical			
8.02	Relief pressure		Mpa	14			



Ast: Right angle stacking aisle width
a: Clearance
l: Load Length



6-7t Wide View Standard Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered)(mm)	Service weight (kg)		Mast tilt angle α/β (°)
		CPD60	CPD70		CPD60	CPD70	
M200	2000	6000	7000	2080	8865	9475	6/12
M250	2500	6000	7000	2230	8885	9495	6/12
M270	2700	6000	7000	2330	8905	9515	6/12
M300	3000	6000	7000	2480	8965	9580	6/12
M330	3300	6000	7000	2630	9005	9615	6/12
M350	3500	6000	7000	2730	9035	9645	6/12
M375	3750	6000	7000	2855	9080	9690	6/12
M400	4000	6000	7000	3030	9245	9855	6/12
M425	4250	6000	7000	3155	9285	9895	6/12
M450	4500	6000	7000	3280	9325	9935	6/12
M475	4750	6000	7000	3405	9365	9975	6/6
M500	5000	6000	7000	3530	9405	10015	6/6
M550	5500	5700	6600	3830	9600	10210	6/6
M600	6000	5400	6400	4080	9680	10290	6/6

6-7t Wide View Full Free 2-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight (kg)		Mast tilt angle α/β (°)
		CPD60	CPD70			CPD60	CPD70	
ZM250	2500	6000	7000	2210	840	8995	9605	6/12
ZM270	2700	6000	7000	2310	940	9030	9640	6/12
ZM300	3000	6000	7000	2460	1090	9090	9700	6/12
ZM330	3300	6000	7000	2610	1240	9145	9755	6/12
ZM350	3500	6000	7000	2710	1340	9185	9795	6/12
ZM375	3750	6000	7000	2835	1465	9230	9840	6/12
ZM400	4000	6000	7000	3010	1640	9405	10015	6/12
ZM425	4250	6000	7000	3135	1765	9460	10070	6/12
ZM450	4500	6000	7000	3260	1890	9500	10110	6/12
ZM475	4750	6000	7000	3385	2015	9550	10160	6/6
ZM500	5000	6000	7000	3510	2140	9585	10195	6/6
ZM550	5500	5700	6600	3810	2440	9805	10415	6/6
ZM600	6000	5400	6400	4060	2690	9900	10510	6/6

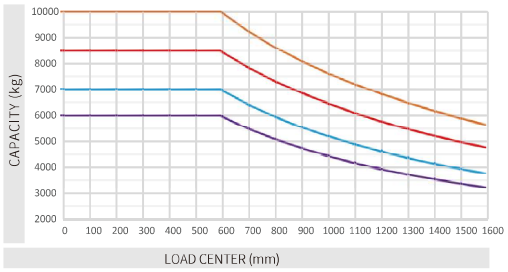
Note: (1) 6t: the free lift without backrest 260mm increased, (2) 7t: the free lift without backrest 180mm increased.

6-7t Wide View Full Free 3-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered) (mm)	Free lift (with backrest) (mm)	Service weight (kg)		Mast tilt angle α/β (°)
		CPD60	CPD70			CPD60	CPD70	
ZSM360	3600	5600	6200	2335	910	9540	10150	6/6
ZSM400	4000	5600	6200	2460	1040	9600	10210	6/6
ZSM435	4350	5600	6200	2585	1156	9655	10265	6/6
ZSM480	4800	5600	6200	2740	1310	9855	10465	6/6
ZSM500	5000	5600	6200	2805	1380	9885	10495	6/6
ZSM540	5400	5300	6000	2940	1510	9955	10565	6/6
ZSM600	6000	5000	5600	3135	1710	10045	10655	6/6
ZSM650	6500	4500	5000	3405	1975	10130	10740	6/6
ZSM700	7000	4000	4500	3510	2085	10185	10795	6/6

Note: (1) 6t: the free lift without backrest 260mm increased, (2) 7t: the free lift without backrest 180mm increased.

Load curve



Note: The vertical axis stands for load capacity and the horizontal axis stands for load center which is calculated from the front surface of the forks to the gravity of the standard load. the standard load means a cubic with 1000mm edge length. When mast is tilted forward, using non-standard forks or loading large goods, the load capacity will be reduced. The load capacity of standard mast at different load center can be known from this load chart.

8.5-10t Wide View Standard Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered)(mm)		Service weight (kg)		Mast tilt angle α/β (°)
		CPD85	CPD100	CPD85	CPD100	CPD85	CPD100	
M250	2500	8500	10000	2450	2600	11120	12750	6/12
M270	2700	8500	10000	2550	2700	11175	12790	6/12
M300	3000	8500	10000	2700	2850	11800	12860	6/12
M330	3300	8500	10000	2850	3000	11900	12920	6/12
M350	3500	8500	10000	2950	3100	12045	12965	6/12
M375	3750	8300	10000	3075	3225	12125	13015	6/12
M400	4000	8300	10000	3250	3400	12300	13155	6/12
M425	4250	8000	10000	3375	3525	12455	13210	6/12
M450	4500	8000	9000	3500	3650	12575	13260	6/12
M475	4750	8000	9000	3625	3775	12720	13315	6/6
M500	5000	7800	9000	3750	3900	12835	13370	6/6
M550	5500	7500	8000	4050	4200	13160	13675	6/6
M600	6000	7200	7500	4300	4450	13360	13725	6/6

8.5-10t Wide View Full Free 3-Stage Mast

Mast model	Max.lifting height (mm)	Load capacity (lode center 600mm)(kg)		Height (mast lowered)(mm)		Free lift (with backrest) (mm)		Service weight (kg)		Mast tilt angle α/β (°)
		CPD85	CPD100	CPD85	CPD100	CPD85	CPD100	CPD85	CPD100	
ZSM360	3600	7500	8000	2450	2570	1200	1150	12440	13610	6/12
ZSM400	4000	7500	8000	2575	2700	1330	1280	12510	13700	6/12
ZSM435	4350	7400	7800	2700	2820	1450	1400	12585	13780	6/12
ZSM450	4500	7300	7800	2750	2870	1500	1450	12615	13820	6/6
ZSM480	4800	7000	7300	2850	2970	1600	1550	12675	13890	6/6
ZSM500	5000	7000	7300	2950	3035	1700	1615	12730	13935	6/6
ZSM540	5400	6600	6800	3075	3225	1830	1805	12805	13470	6/6
ZSM600	6000	5800	6000	3375	3425	2130	2005	12975	14390	6/6
ZSM650	6500	5300	5500	3600	3590	2350	2170	13105	14325	6/6
ZSM700	7000	4500	4600	3750	3855	2500	2435	13195	14505	6/6

注:8.5-10t不带挡货架。

Battery configuration

	Standard battery capacity	Optional battery capacity		
	HELI	HELI	HELI	ENEROC
CPD60/70	326.4V/150Ah	326.4V/202Ah	326.4V/250Ah	/
CPD85	326.4V/202Ah	326.4V/250Ah	/	/
CPD100			336V/280Ah	/

Chargers

Charger model	D336V100ALI-425	D336V150ALI-423
rated input voltage	AC380V±15%	
rated frenquency	45HZ-60HZ	
Input power	≤40KVA	≤60KVA
Protection class	IP20	
Rated output voltage	200V-500V	
Rated output current	5A-100A	5A-150A
Rated output power	40KW	50.4KW
Cooling type	Forced cooling	
Operating temperature	-20°C-50°C	
Power plug	International universal charging plug	
Model	CPD60/70-A11LIG2-H	
	CPD85/100-A11LIG2-M	
	CPD60/70-A6LIG2-H	
	CPD85/100-A6LIG2-M	